

NOTES:

1. MATERIAL: SEE "TABLE 1";

2. FINISH: SEE "TABLE 1";

3. ELECTRICAL :

3-1.CONTACT CURRENT RATING :

5A(VBUS PIN 1.5A/PIN),

5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).

3-2.INSULATION RESISTANCE :

100 MEGAOHMS MIN. AT 250VDC.

3-3.DIELECTRIC WITHSTANDING VOLTAGE :

100VAC MIN.

3-4.LOW LEVEL CONTACT RESISTANCE :

INITIAL 40mΩ MAX.

AFTER 50mΩ MAX.

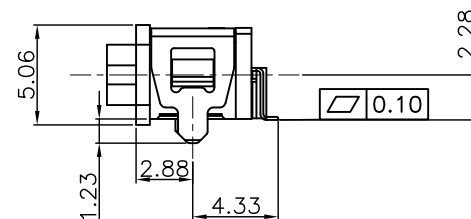
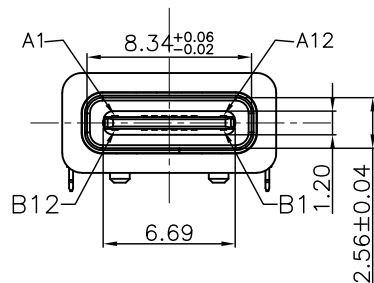
4.MECHANICAL CHARACTERISTICS :

4-1. MATING FORCE: 5~20N.

4-2. UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);

4-3.DURABILITY : 10,000 MATING CYCLES.

4-4.OPERATING TEMPERATURE : -40°C TO +80°C



INTERFACE(FRONT VIEW)

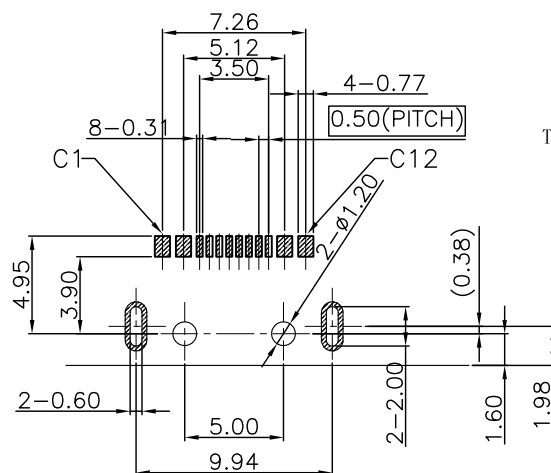
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	DP1	DN1	SBU1	VBUS			GND
GND			VBUS	SBU2	DN2	DP2	CC2	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

PIN ASSIGNMENT

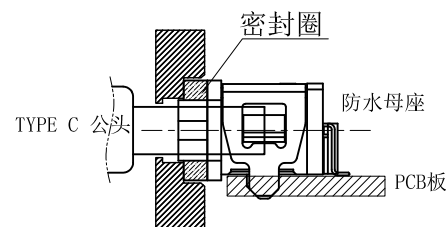
PIN NO.	A1&B12	A4&B9	B8	A5	B7	A6	A7	B6	A8	B5	A9&B4	A12&B1
SINGAL NAME	GND	VBUS	SBU2	CC1	DN2	DP1	DN1	DP2	SBU1	CC2	VBUS	GND
PCB PAD NO.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12

TABLE 1:

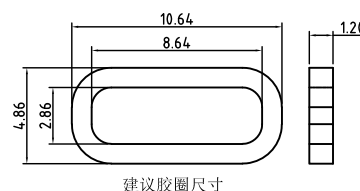
⑥	Shell-2	1	SUS304	NI PLATING;	T=0.20mm
⑤	Shell-1	1	SUS304	NI PLATING;	T=0.25mm
④	MID PLATE	1	SUS304		T=0.15mm
③	Terminal-B	8	高导电C7025	Au:3u" PLATING;	T=0.15mm
②	Terminal-A	8		Au:3u" PLATING;	T=0.15mm
①	Housing	1	PA46	Black	
NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS T=1.0mm
DEFAULT TOLERANCE+/-0.05

组装示意图



建议胶圈尺寸

注: 防水圈是厚度1.2mm的
硅胶圈,防水圈挤压力, 由1.2mm挤压到
0.8mm左右,防水效果好

深圳市华宇创精密电子有限公司

TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 X.' ±2" X.X' ±0.5"	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: 防水USB TYPE C 母座16P SMT TYPE带柱
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HYCW317-USBC16-108B
	APPROVED BY: 邱敏	DATE : 2014-02-23	MOLD NO.
UNIT: mm [inch] SCALE:1:1 SIZE: A4			DRAW NO: HYC-2205102115
			SHEET NO. 1 OF 1